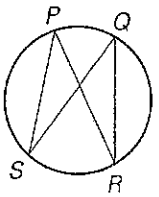
Name _____ Date _____

LESSON 10.4

Practice B

For use with pages 671–679

1. Multiple Choice In the figure shown, which statement is true?

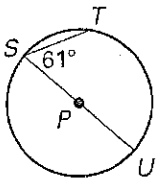


A. $\angle SPR \cong \angle PSQ$ **B.** $\angle RQS \cong \angle RPS$

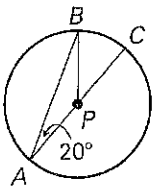
C. $\angle RPS \cong \angle PRQ$ **D.** $\angle PRQ \cong \angle SQR$

Find the measure of the indicated angle or arc in $\odot P$.

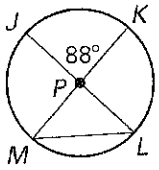
2. $m\overset{\frown}{ST}$



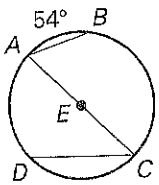
3. $m\overset{\frown}{AB}$



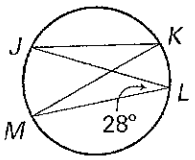
4. $m\angle JLM$



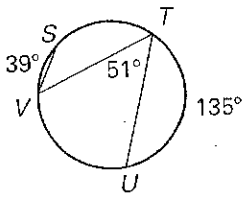
5. $m\angle A$



6. $m\angle K$



7. $m\overset{\frown}{VST}$



Find the measure of the indicated angle or arc in $\odot P$, given $m\overset{\frown}{LM} = 84°$ and $m\overset{\frown}{KN} = 116°$.

8. $m\angle JKL$

9. $m\angle MKL$

10. $m\angle KMN$

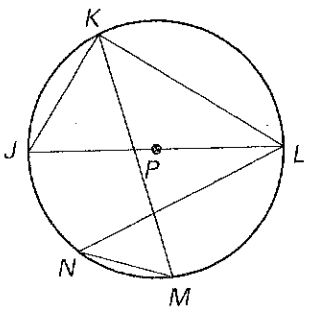
11. $m\angle JKM$

12. $m\angle KLN$

13. $m\angle LNM$

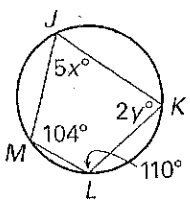
14. $m\overset{\frown}{MJ}$

15. $m\overset{\frown}{LKJ}$

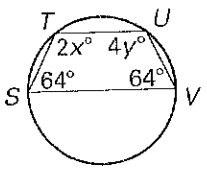


Find the values of the variables.

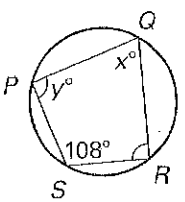
16.



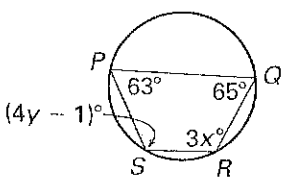
17.



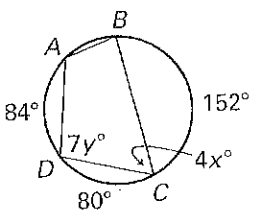
18.



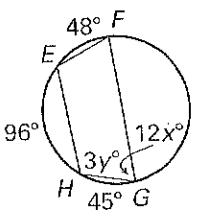
19.



20.



21.



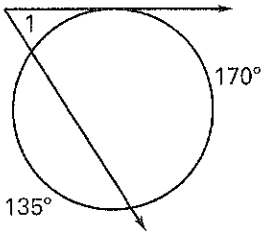
Name _____ Date _____

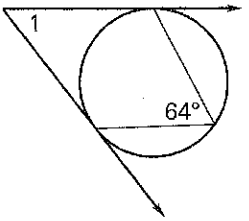
LESSON 10.5

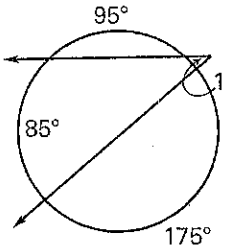
Practice C

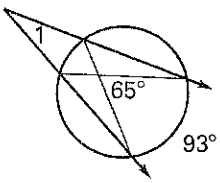
For use with pages 680–686

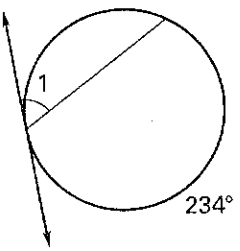
Find the measure of ∠1.

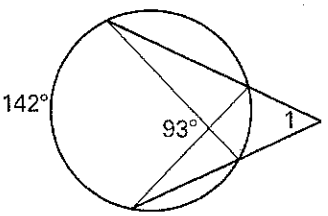
1. 

2. 

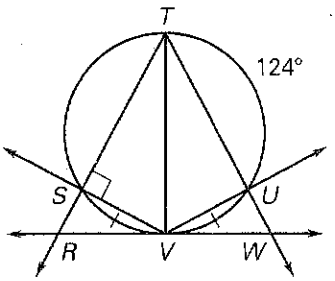
3. 

4. 

5. 

6. 

Use the information given in the diagram to find the measure.



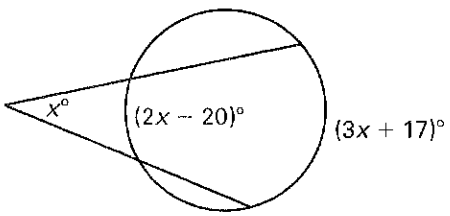
7. $m\overset{\frown}{TV}$

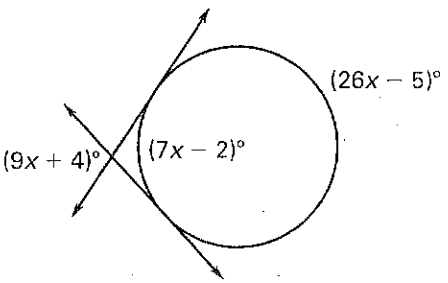
8. $m\overset{\frown}{SV}$

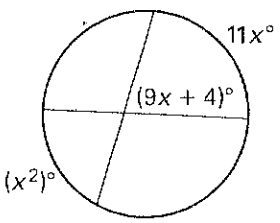
9. $m\angle STU$

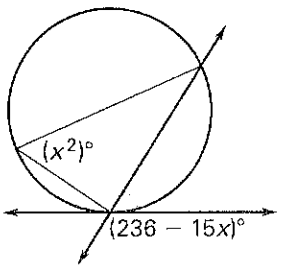
10. $m\angle VWU$

Find the value of *x*.

11. 

12. 

13. 

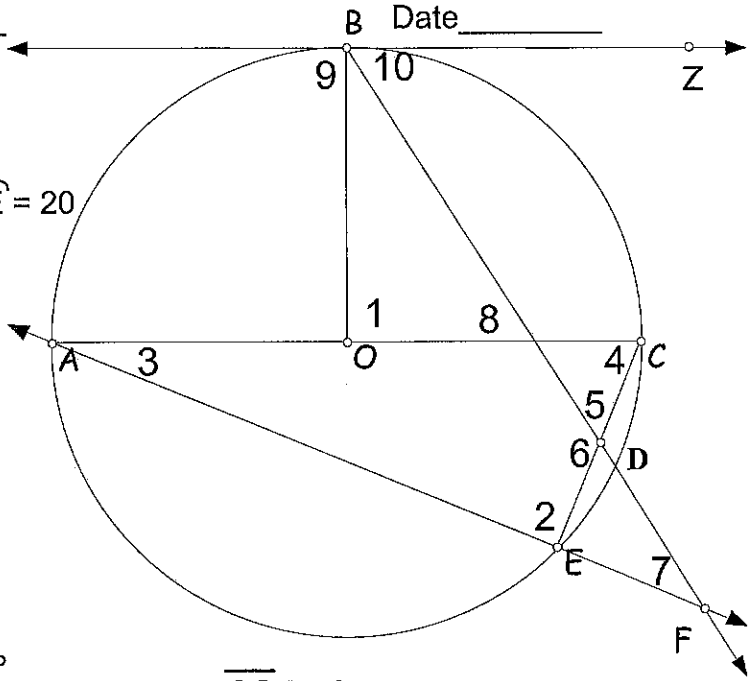
14. 

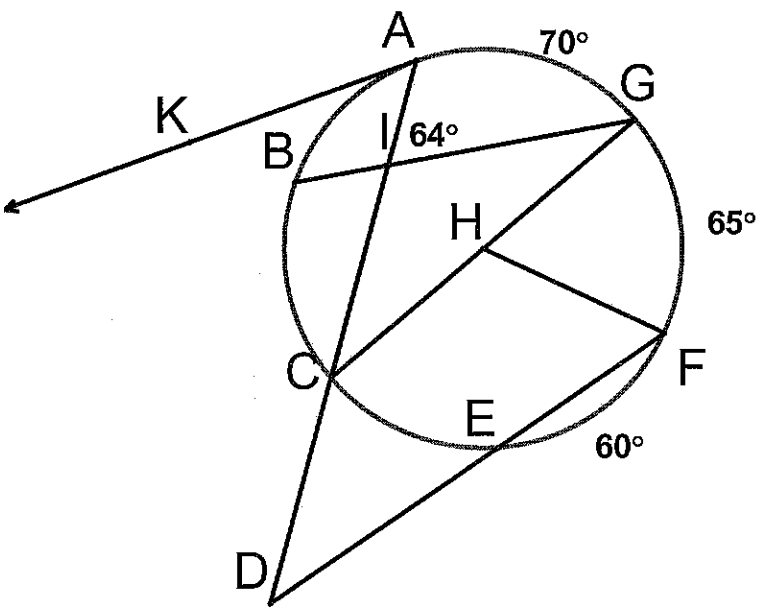
Name_____ Date_____

Given $\overleftrightarrow{BZ}$ is tangent to circle O
AC is the diameter
$m\overset{\frown}{BC} = 90$, $m\overset{\frown}{CD} = 30$, and $m\overset{\frown}{DE} = 20$

Find the measures of the angles.

$m\angle 1 =$ _____	$m\angle 6 =$ _____
$m\angle 2 =$ _____	$m\angle 7 =$ _____
$m\angle 3 =$ _____	$m\angle 8 =$ _____
$m\angle 4 =$ _____	$m\angle 9 =$ _____
$m\angle 5 =$ _____	$m\angle 10 =$ _____





$\overline{CG}$ is the diameter

$\overline{KA}$ is tangent to $\odot H$

Find the measures of the following arcs and angles. Make sure you think about what kind of angle it is before you find it. (Central, inscribed, inside, or outside)

Find:

$m\overset{\frown}{CE}$ = _____

$m\overset{\frown}{CB}$ = _____

$m\overset{\frown}{AB}$ = _____

$m\angle ACG$ = _____

$m\angle D$ = _____

$m\angle GHF$ = _____

$m\angle FHC$ = _____

$m\angle AIB$ = _____

$m\angle KAC$ = _____

$m\angle BGC$ = _____